

INTERNATIONAL SEARCH REPORT

Inter al Application No
PCT/IB 03/06167

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04N7/24 H04N7/32 H04N7/26 H04N7/46 H04N7/52
H04N7/01 H04N5/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 365 552 A (ASTLE BRIAN) 15 November 1994 (1994-11-15) column 1, line 31 - column 3, line 27 column 7, line 27 - column 7, line 44 figure 1	1-3, 7-9, 12-14, 18-21, 25, 26, 29-35, 39-41, 51-55
A		4-6, 10, 11, 15-17, 36-38
X	WO 02/093936 A (ANDO YUJI ; SONY CORP (JP); ZHU YIWEN (JP); KOJIMA TAKASHI (JP); NA) 21 November 2002 (2002-11-21) -/-	1, 7, 12, 33

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

25 March 2004

Date of mailing of the international search report

18. 06. 04

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>& US 2003/174769 A1 (ANDO YUJI ET AL) 18 September 2003 (2003-09-18) paragraphs '0115! - '0119!, '0138! paragraphs '0159! - '0169! figure 2 claims 1,9,12</p> <p>-----</p> <p>FIBUSH D K: "TIMING AND SYNCHRONIZATION USING MPEG-2 TRANSPORT STREAMS" SMPTE JOURNAL, SMPTE INC. SCARSDALE, N.Y, US, vol. 105, no. 7, 1 July 1996 (1996-07-01), pages 395-400, XP000597142 ISSN: 0036-1682 the whole document</p> <p>-----</p>	<p>12,19, 33,35, 39,41</p>

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International application No.
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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-19, 30-41, 51-55

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-19,30-41,51-55

Slowdown of content reproduction in an audio-visual content transmission system including a source station, channel buffer, and destination station, with a modification of rate of reproduction before and after a channel buffer reaches a predetermined degree of fullness

1.1. claims: 1-19,30-32,33-41,51-55

Slowdown of content reproduction in an audio-visual content transmission system including a source station, channel buffer, and destination station, with a modification of reproduction rate before and after a channel buffer reaches a predetermined degree of fullness

1.2. claims: 33,35,39,40,42

Slowdown of content reproduction in an audio-visual content transmission system including a source station, channel buffer, and destination station, with joint bit rate control based performed on the basis of an estimation of channel buffer fullness

2. claims: 33,35,39,40,42

Slowdown of content reproduction in an audio-visual content transmission system including a source station, channel buffer, and destination station, with joint bit rate control based performed on the basis of an estimation of channel buffer fullness

3. claims: 12,19-24,43-46

Slowdown of content reproduction in an audio-visual content transmission system including a source station, channel buffer, and destination station, with field repetition if interfield motion is below a threshold

4. claims: 12,19,25-29,33,35,47-50

Slowdown of content reproduction in an audio-visual content transmission system including a source station, channel buffer, and destination station, with a determination of the suitability of audio frames for repetition

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5365552	A	15-11-1994	NONE	
WO 02093936	A	21-11-2002	JP 2002335530 A CN 1462556 T EP 1387586 A1 WO 02093936 A1 US 2003174769 A1	22-11-2002 17-12-2003 04-02-2004 21-11-2002 18-09-2003
US 2003174769	A1	18-09-2003	JP 2002335530 A CN 1462556 T EP 1387586 A1 WO 02093936 A1	22-11-2002 17-12-2003 04-02-2004 21-11-2002